



Periodic Antimicrobial Peptides ST25.txt  
SEQUENCE LISTING

<110> The Dow Chemical Company  
Strom, Robert M.  
Brodsema, Philip J.

<120> Periodic Antimicrobial Peptides

<130> 62424a

<140> 10/785,210

<141> 2004-02-24

<160> 69

<170> PatentIn version 3.3

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<211> 20

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<213> artificial

<220>

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Lys Phe Ala Lys  
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<213> artificial

<220>

<223> Periodic Peptide

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Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
1 5 10 15

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Lys Phe Ala Lys Lys Phe Ala Lys  
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<210> 4  
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Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
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Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
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1 5 10 15

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
20 25 30

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
35 40 45

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Periodic Antimicrobial Peptides ST25.txt

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Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
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Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
20 25 30

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
35 40 45

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
50 55 60

Lys Phe Ala Lys  
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<400> 8

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
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Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
20 25 30

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
35 40 45

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
50 55 60

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
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Lys Phe Ala Lys

Periodic Antimicrobial Peptides ST25.txt

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Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg  
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Arg Phe Ala Arg Arg Phe Ala Arg  
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<220>  
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Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg  
 20 25

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Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg  
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Periodic Antimicrobial Peptides ST25.txt

Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys  
1 5 10 15

Phe Ala Lys Lys Phe Ala Lys Lys  
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<220>  
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Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe  
1 5 10 15

Ala Lys Lys Phe Ala Lys Lys Phe  
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1 5 10 15

Lys Lys Phe Ala Lys Lys Phe Ala  
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<400> 15

Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu  
1 5 10 15

Leu Lys Lys Leu  
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Periodic Antimicrobial Peptides ST25.txt

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Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu  
 1 5 10 15

Leu Lys Lys Leu Leu Lys Lys Leu  
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<400> 17

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 1 5 10 15

Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu  
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<400> 18

Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu  
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# Periodic Antimicrobial Peptides ST25.txt

Lys Phe Ala Phe Lys Phe Ala Phe Lys Phe Ala Phe Lys Phe Ala Phe  
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Lys Phe Ala Phe Lys Phe Ala Phe Lys Phe Ala Phe  
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<400> 20

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1 5 10 15

Lys Phe Phe Lys Lys Phe Phe Lys Lys Phe Phe Lys  
20 25

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Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
20 25

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<400> 22

Lys Ala Ala Lys Lys Ala Ala Lys Lys Ala Ala Lys Lys Ala Ala Lys  
1 5 10 15

Lys Ala Ala Lys Lys Ala Ala Lys Lys Ala Ala Lys  
20 25

Periodic Antimicrobial Peptides ST25.txt

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Lys Lys Ala Lys Lys Lys Ala Lys Lys Lys Ala Lys  
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Phe Lys

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# Periodic Antimicrobial Peptides ST25.txt

Phe Lys Lys Phe Lys  
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Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys  
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Periodic Antimicrobial Peptides ST25.txt

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1 5 10 15

Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe  
20 25 30

Lys Lys Phe Lys  
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<400> 31

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1 5 10 15

Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe  
20 25 30

Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys  
35 40 45

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<223> periodic peptide

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1 5 10 15

Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe  
20 25 30

Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys  
35 40 45

Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys  
Page 10

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1 5 10 15

Lys Ala

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Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe  
1 5 10 15

Periodic Antimicrobial Peptides ST25.txt

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Lys Ala Phe Lys Ala Phe Lys Ala  
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<210> 38  
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1 5 10 15

Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala  
20 25

<210> 39  
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1 5 10 15

Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala  
20 25 30

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Periodic Antimicrobial Peptides ST25.txt

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1 5 10 15

Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys  
20 25 30

Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala  
35 40 45

Phe Lys Ala  
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Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys  
20 25 30

Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala  
35 40 45

Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala Phe Lys Ala  
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<211> 10

Periodic Antimicrobial Peptides ST25.txt

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1 5 10 15

Leu Lys

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<400> 46

Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys  
1 5 10 15

Leu Lys Leu Lys  
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<210> 47

Periodic Antimicrobial Peptides ST25.txt

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Leu Lys Leu Lys Leu Lys  
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1 5 10 15

Leu Lys Leu Lys Leu Lys Leu Lys  
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<400> 49

Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys  
1 5 10 15

Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys  
20 25 30

Leu Lys Leu Lys  
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Periodic Antimicrobial Peptides ST25.txt

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1 5 10 15

Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys  
20 25 30

Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys Leu Lys  
35 40 45

<210> 51

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<210> 52

<211> 18

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Leu Arg Leu Arg Leu Arg Leu Arg Leu Arg Leu Arg Leu Arg Leu Arg  
1 5 10 15

Leu Arg

<210> 53

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<220>

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<400> 53

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1 5 10 15

Leu Arg Leu Arg Leu Arg



Periodic Antimicrobial Peptides ST25.txt

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1 5 10 15

Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly  
20 25 30

Lys

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<220>  
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<400> 55

Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys  
1 5 10 15

Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly  
20 25 30

Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys  
35 40 45

<210> 56  
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<220>  
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<400> 56

Lys Thr Lys Lys Thr Lys Lys Thr Lys Lys Thr Lys Lys Thr Lys Lys  
1 5 10 15

Thr Lys Lys Thr Lys  
20

# Periodic Antimicrobial Peptides ST25.txt

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Lys Phe Ala Lys Lys Phe Ala Lys  
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<210> 59  
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Periodic Antimicrobial Peptides ST25.txt

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<400> 61

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
1 5 10 15

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
20 25 30

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
35 40 45

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
50 55 60

Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys  
65 70 75 80

<210> 62

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<212> PRT

<213> Artificial

<220>

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<400> 62

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<210> 63

<211> 12

<212> PRT

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<220>

<223> periodic peptide

<400> 63

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<210> 64

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<400> 64

Periodic Antimicrobial Peptides ST25.txt

Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys Gly Lys Lys  
1 5 10 15

Gly Lys Lys Gly Lys  
20

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<220>  
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<400> 65

Phe Ala Lys Lys Phe Ala Lys Lys Phe Lys Lys Phe Ala Lys Lys Phe  
1 5 10 15

Ala Lys Phe Ala Phe Ala Phe  
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<220>  
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Phe Lys Leu Arg Ala Lys Ile Lys Val Arg Leu Arg Ala Lys Ile Lys  
1 5 10 15

Leu

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<220>  
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<400> 67

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Periodic Antimicrobial Peptides ST25.txt

<220>

<223> PBF16b

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<223> PBF16c

<400> 69

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